

### ABSTRACT OF THE DISCLOSURE

Elements of a vector sequence  $A \cdot \phi^m$  are sampled to be stored in a memory. In this sampling, a combination of spatial sampling and local sampling on the basis of physical phenomenon is employed. A residual minimization coefficient  $\alpha_l^m$  (wherein  $l =$   
5  $1, \dots, L$ ) used for obtaining a corrected approximate value  $\phi^m$  is approximately obtained by using elements of a vector sequence  $A \cdot \phi^k$  (wherein  $k = m - L + 1, \dots, m - 1$ ) stored in the memory.